

20030404.qrp v02_n880.qrl.20030404

Date: Fri, 4 Apr 2003 19:03:12 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2880

QRP-L Digest 2880

Topics covered in this issue include:

- 1) [148533] Re: Circuit for 2M Tx Hunting
by "Brian P. Mileschosky" <n5zgt@swcp.com>
- 2) [148534] Electronic keyer FS
by "Ken Simpson, W8EK" <W8EK@fdt.net>
- 3) [148535] Final Standings - Posted
by "N1LN" <n1ln@earthlink.net>
- 4) [148536] Re: Circuit for 2M Tx Hunting
by "Ian Wilson" <ianmwilson@earthlink.net>
- 5) [148537] [GLOWBUG] kinda long: need guidance for HB rig
by "Paul Mills" <quahog@localnet.com>
- 6) [148538] W6EL prop pgm...
by Bruce Rattray <rattray@gpfn.sk.ca>
- 7) [148539] FS TT Scout
by "Merton Nellis" <mertnellis@msn.com>
- 8) [148540] RE: MILLIWATT CD
by Adrian Weiss <adeweiss@sd.value.net>
- 9) [148541] CQ Bob AF2Q re NC-40a
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 10) [148542] Re: BBQ April 6th, 2003 [long]
by "Charles Mabbott" <aa8vs@msn.com>
- 11) [148543] Visiting NAB in Vegas - will anybody else be there?
by "Ray Goff" <radioham@gmx.co.uk>
- 12) [148544] NorCal NC-30 News
by "Dave Fifield" <dave@redhotradio.com>
- 13) [148545] I'm off to Arkansas!
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 14) [148546] Replacement HW8 VFO tuning caps available
by Mike Czuhajewski <wa8mcq@comcast.net>
- 15) [148547] In Praise of Dave Benson and Small Wonder Labs
by "Mark Andrews" <KE4IOF@KE4IOF.com>
- 16) [148548] solar info
by Bruce Rattray <rattray@gpfn.sk.ca>
- 17) [148549] Unbuilt NC-20 For Sale
by "Mark Andrews" <KE4IOF@KE4IOF.com>
- 18) [148550] Re: [GLOWBUG] kinda long: need guidance for HB rig
by "Bob Tellefsen" <n6wg@earthlink.net>
- 19) [148551] Re: BBQ April 6th, 2003 [long]

- by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 20) [148552] Re: solar info
by "Lee Hopper" <leehopp@msn.com>
- 21) [148553] FDI Club/Vendor Night - second call for table reservations
by "Bill Phillips" <bill11048@direcway.com>
- 22) [148554] Re: solar info
by Pete Burbank <plburbank@earthlink.net>
- 23) [148555] Re: BBQ April 6th, 2003 [long]
by W2AGN <w2agn@w2agn.net>
- 24) [148556] Re: NorCal NC-30 News
by John Harper AE5X <ae5x@qsl.net>
- 25) [148557] Re: Unbuilt NC-20 For Sale
by "Mark Andrews" <KE4IOF@KE4IOF.com>
- 26) [148558] Re: NorCal NC-30 News
by Harry Hurst <wa3ptg@comcast.net>
- 27) [148559] which power supply is the right one for me?
by Lloyd Lachow <llachow@yahoo.com>
- 28) [148560] FS: St. Louis Tuner
by Radioham <radioham@comcast.net>
- 29) [148561] Re: [fpqrp] which power supply is the right one for me?
by "Juan Ferrari" <puntrad@usa.net>
- 30) [148562] Re: [fpqrp] which power supply is the right one for me?
by "Tim, N9PUZ" <n9puz@arrl.net>
- 31) [148563] QRP Field Day Photos needed by QST...
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 32) [148564] Re: solar info
by Larry Cahoon <lejek@erols.com>
- 33) [148565] QRP rig pix updates
by "AI2Q" <ai2q@adelphia.net>
- 34) [148566] Re: solar info
by Al Scanandoah <k2zn@rochester.rr.com>

Date: Thu, 3 Apr 2003 17:53:25 -0700
From: "Brian P. Mileschosky" <n5zgt@swcp.com>
To: <Doug.Davies@gems3.gov.bc.ca>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [148533] Re: Circuit for 2M Tx Hunting
Message-ID: <001601c2fa44\$9a461700\$d304b8d8@hlw11>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doug et al.,

Would you please direct any replies to QRP-L? I am interested in learning

what you hear.

72,

Brian, N5ZGT

Albuquerque Transmitter Hunters: <http://home.att.net/~wb8wfk/>

----- Original Message -----

From: Davies, Doug A FOR:EX <Doug.Davies@gems3.gov.bc.ca>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Thursday, April 03, 2003 4:37 PM

Subject: Circuit for 2M Tx Hunting

> Looking for a circuit to construct a 2 meter FM transmitter that can be
used
> for transmitter hunting/direction finding. Needs to be able to transmit
> continuously with an output of about 1 watt (see, this is about QRP
<grin>.
> Anyone know of such a circuit or can point me in the right direction?
> Thanks.
>
> Doug VA7DD
>

Date: Thu, 3 Apr 2003 20:51:48 -0500

From: "Ken Simpson, W8EK" <W8EK@fdt.net>

To: "QRP List" <qrp-1@lehigh.edu>

Subject: [148534] Electronic keyer FS

Message-ID: <NGBBLMCL0LBPLBFNJPMCEKLEDAA.W8EK@fdt.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

For Sale:

MFJ 422 B electronic keyer.

This is the keyer that uses the Curtis chip as the keyer,
but includes sidetone, and has adjustments for volume,
tone frequency, and weighting, as well as speed. Can
be used in fully automatic mode, or semi-automatic like
a bug. It will key either positive or negative voltages,
and is powered by an internal 9 V battery, or external
5 to 9 volt supply. It is made to go on the back of a

Bencher Paddle. \$ 60 plus shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson

E-mail to W8EK@fdt.net or W8EK@arrl.net

Voice Phone (352) 732-8400

Date: Thu, 3 Apr 2003 20:08:18 -0600
From: "N1LN" <n1ln@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [148535] Final Standings - Posted
Message-ID: <002a01c2fa50\$1c6676c0\$9506fea9@station2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The final "Chaser" standings are tabulated. Congratulations to the winners
! !

1st Place: Jim - N5IB (62 minutes) - LA
2nd Place: Jay - AJ4AY (91 minutes) - AL
3rd Place: Skip - K5SA (96 minutes) - MS

Certificates are printing 'right now' and should be in the mail tomorrow.

Logs received: 12

sweeps: 3 (great job guys - based on conditions I am surprised we had
any ! ! !)

To see the complete Armadillo and Chaser standings please go to our web
site:

<http://www.w5nc.org/ptac/default.htm>

A picture of the Armadillo Plaque will be posted as soon as it is completed
by the Trophy Shop.

See ya'all next year - when conditions are better. Hey.... they couldn't be worse ! !

Have a great summer,
72,
Bruce - N1LN
(K5PTC - Pesky Texan Contest Club)

Date: Thu, 3 Apr 2003 18:18:47 -0800
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: <Doug.Davies@gems3.gov.bc.ca>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148536] Re: Circuit for 2M Tx Hunting
Message-ID: <001b01c2fa50\$8686bce0\$0b02a8c0@WorkGroup>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Found this just today. There's a 40mw and a 750mw version: <http://home.att.net/~jleggio/projects/rdf/rdf.htm>

Happy hunting de ian, K3IMW/6

----- Original Message -----

From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, April 03, 2003 3:37 PM
Subject: Circuit for 2M Tx Hunting

> Looking for a circuit to construct a 2 meter FM transmitter that can be used
> for transmitter hunting/direction finding. Needs to be able to transmit
> continuously with an output of about 1 watt (see, this is about QRP <grin>.
> Anyone know of such a circuit or can point me in the right direction?
> Thanks.
>
> Doug VA7DD
>

Date: Thu, 3 Apr 2003 21:31:41 -0500
From: "Paul Mills" <quahog@localnet.com>
To: <QRP-L@Lehigh.EDU>
Subject: [148537] [GLOWBUG] kinda long: need guidance for HB rig
Message-ID: <000901c2fa52\$6ba2f860\$d5449942@cybrinjn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all,

JA9MAT's 'Compact Transmitter in an Altoids Tin' put a bee in my bonnet. I have been wanting to get on 30M qrp for a while, preferably with a small transmitter that I could use with my TS-520. I know, The TS-520 doesn't have 30M, but the WWV switch will put you there, and I tweaked the input coil to about 10.109 center, and have been hearing some pretty good stuff!

Well, a coupla weeks ago, my younger bro. was cleaning out his old CB shack in the ancestral manor (at the Lord and Lady's firm request), and pulled out some old tube-type CB rigs and a hybrid marine AM'er (2182 MHz etc.). What a treasure-trove of parts for glowbug HB! I tore into them like a madman, un-soldering parts and checking tubes, some of which may be difficult or impossible to find these days. I even got an old Gonset G-14 CB that looks like it would be no sweat to convert to 10M AM. I plan to do as close to a real restore as I can, but that's for another time, as are the pair of 12DQ6a's, mod transformer and large coils I got from the marine rig.

What is relevant here is that I got a couple of 6GH8A's which are a sub for the [6|5]EA8 in JA9MAT's rig. Only hesitation I have is having to build a power supply for them with these old power transformers. I would prefer to leave that for another time. Well, it occured to me to look at the TS-520 schematic for a solution, and there it was (maybe). The transverter connector has a +210V output that may solve my problem.

Q. Has anyone ever done anything like this?

Couple more Q's

The JA9MAT rig is cathode keyed. Will I be able to key it with my MFJ-422D keyer? It does solid state and grid-block with

jumper settings. Will I need to add something like a high voltage FET, an IRF-5 something to accomplish this?

I have some power tubes -- 6BQ5 and 12AB5 -- that I would like to experiment with. I seem to remember the 6BQ5/EL84? as a guitar amp tube. Am I on the right path here for a full qrp gallon here?

Is the simple tank circuit output in the JA9MAT rig OK for harmonics at that power level? would I need to add an external LPF?

TIA,

Paul KB1GEJ

Date: Thu, 3 Apr 2003 20:42:19 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>
Subject: [148538] W6EL prop pgm...
Message-ID: <Pine.LNX.4.33.0304032035300.13176-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have started to learn about this W6EL propagation program...so far I have one question...at the bottom of the Predictions screen it shows AVAILABILITIESwonder if anyone can explain this to me please?...

...for example - I did a run and for 0000 UTC it shows the MUF at 11.1 (so maximum usable freq is 11.1 MHz), but then it shows going to the right 3.6 MHz is 0 A, 7.1 MHz is 30 A, 10.1 MHz is 30 B and 14.1 MHz is 28 D...so what do the 0 A, 30 A, 30 B and 28 D mean?...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Thu, 03 Apr 2003 22:58:28 -0600

From: "Merton Nellis" <mertnellis@msn.com>
To: MNqrp-1@mailman.qth.net, qrp-1@lehigh.edu
Cc: k0qb@arrl.org
Subject: [148539] FS TT Scout
Message-ID: <BAY4-F27qOX9kOS6yDC00018d98@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The Estate Sale for W0QIK (sk) offers a TT Scout with all the band modules. If anyone is interested, please contact K0QB, Jay Bellows direct via e-mail k0qb@arrl.org or phone 651-283-4444. I can vouch for the excellent condition of all of W0QIK's equipment and I am sure that Jay can arrange a good deal.
73 Mert W0UFO

W0UFO@ARRL.NET

MSN 8 with e-mail virus protection service: 2 months FREE*
<http://join.msn.com/?page=features/virus>

Date: Thu, 3 Apr 2003 18:04:27 -0800 (PST)
From: Adrian Weiss <adeweiss@sd.value.net>
To: <qrp-1@lehigh.edu>
Subject: [148540] RE: MILLIWATT CD
Message-ID: <1039.67.240.39.100.1049421867.squirrel@mail.sd.value.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Hi all:

Mike WA8MCQ's comments are well-taken. I'd add a few. THE MILLIWATT introduced the "world", i.e., a scattered bunch of solitary QRP'rs to the fact that they existed and were plugging away thinking no one else was nuts enough to try running under 5w output! Early, K40CE applied for the first DXCC QRP offered by THE MILLIWATT -- boy, did that open a lot of eyes! The operating news section was included to detail the success and frustration of operating QRP at the time. Taken as a whole, the info printed in that section encouraged a large number of QRP'rs to work even harder and pay attention to theory about antennas and efficiency. To

create a (in the current TV phrase) "real life" image, we backed up the operating news with a "logs" section in which portions of logs submitted by QRP'rs were printed. In hindsight, I think that this laborious job of typing was extremely important -- remember that back then there were no local QRP clubs or conventions like Atlanticon where QRP'rs could gather and compare notes personally. That section showed the world both the elation and travails of the QRP'rs. No chance of announcing the first DSW-II QSO when it just happened -- QRP'rs experience a very different "reality TV" these days!

A lot of technical stuff too probably helped out. Yardley Beers (his credentials were impressive) contributed interesting stuff including the square law performance of detectors at or near the noise level.

At any rate, it's a different world at Atlanticon and Arkiecon and Pacificon and Dayton. THE MILLIWATT CD probably can still help discouraged QRP'rs and there is a massive amount of info in the 33 issues. So, nostalgia for those of us who were there, but for those newcomers who are accustomed to excellent publications like QQ and QRP and others, it might just be informative to see where it all started.

Well worth the price that Tom Arvo WA8DXD charges for this "labor of love" CD. Usual disclaimer -- I don't make any \$\$\$ on it --- I thought that Tom paid off WA8MCQ so I didn't ask for a cut :) -- just kidding!

72, Ade W0RSP

Date: Thu, 3 Apr 2003 23:40:52 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: IAMSF5@aol.com, "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [148541] CQ Bob AF2Q re NC-40a
Message-ID: <41200345454052236@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Bob:

I am apparently having endless troubles getting through to you. Have sent several notes, but no further word from you. Please get in touch me. Very interested in your NC-40a. Thanks.

73,

--Doc/K0EVZ

Date: Fri, 04 Apr 2003 06:11:47 -0500
From: "Charles Mabbott" <aa8vs@msn.com>
To: w2agn@w2agn.net, qrp-1@Lehigh.EDU
Subject: [148542] Re: BBQ April 6th, 2003 [long]
Message-ID: <BAY4-F137RA1uo3npvq00019760@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Don't for get FRN number [10 digits]

RST, SPC, NAME, PWR, FRN, TYPE KEY [Bug, keyer, strk, dble sp, left foot]

Sorry don't know why I said this, just have fun and go with it.

73 Chuck AA8VS

"Whoever said the pen is mightier than the sword obviously never encountered automatic weapons."

<http://68.43.100.7:81/aa8vs>

>From: W2AGN <w2agn@w2agn.net>
>Reply-To: w2agn@w2agn.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: BBQ April 6th, 2003 [long]
>Date: Thu, 03 Apr 2003 16:57:33 -0500 (Eastern Standard Time)
>
>
>Hey, let's not boycott the contest, just the rules. Get on, work a bunch of
>fellow QRP-Lers, exchange whatever info you want, make a summary, and let
>Chuck sort it all out.

>
>Suggested Exchanges
>
>RST, SPC, NAME, MOTHER'S MAIDEN NAME, WAIST SIZE
>
>or
>
>RST, STATE Province, etc, Where you would LIKE to live, Actual Age,
>Emotional Age, Bra Size(applies to men, too).
>
>or
>
>SPC, Age of Family Dog(if none, send 0), Age of Rig in Dog Years, QRP-L
>number minus first 3 digits of your Social Security Number. (Want some CW
>number practice?).
>
>Possibilities are endless.
>
>
>+-----+ John L. Sielke
> |W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
> +-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS
>
>
>-----Original Message-----
>
>From: wb8zcc@one.net
>Date: Thursday, April 03, 2003 04:41:32 PM
>To: Low Power Amateur Radio Discussion
>Subject: Re: BBQ April 6th, 2003 [long]
>
>Geez, NA5N was right.
>
>Okay, may I suggest the following rules for the April 6th BBQ:
>
>1. Work as many stations as you can QRP.
>2. Pick any mode you want, as many bands as you want.
>3. Work as many hours during the contest as you can stand.
>4. Make a log or don't, any format. Submit a log or don't, any format.
>5. Use whatever rig and antenna combo you want, whether it works or not.
>6. HAVE FUN!
>7. Ignore rules 1 thru 5.
>
>My 2 cents. But if the current rules stand, I'll be busy doing something
>else.
>
>73,
>Russ Hines

>WB8ZCC

>

>

>

MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.
<http://join.msn.com/?page=features/virus>

Date: Fri, 4 Apr 2003 08:18:42 +0100
From: "Ray Goff" <radioham@gmx.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148543] Visiting NAB in Vegas - will anybody else be there?
Message-ID: <000b01c2fa7a\$7865d950\$e9bc6751@starfishrcg>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

I jump on a plane tomorrow to Las Vegas for the National Association of Broadcasters conention and wondered if any other QRP ops will be making the trip?

73

Ray, G4FON

Date: Thu, 3 Apr 2003 23:46:13 -0800
From: "Dave Fifield" <dave@redhotradio.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148544] NorCal NC-30 News
Message-ID: <002601c2fa7e\$449a4760\$0200a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys,

Please give me a break! Every personal email I get asking me "how is the NC-30 going" and "when do you think it will be available" or "can you put me on the list" or "who should I make the check out to" etc.etc., is another 15 minutes of potential time that I could have been spending on the PCB/kit design that I now can't because I'm not rude enough NOT to reply to all these emails! ('scuse the double negative...)

The news is that, like many of you, I am currently "fighting" to keep my job. It's not really in much jeopardy, but, unless we continue to make good revenues, it will be within a short time! I can't risk being "on the list" so to speak, so I'm working really really hard right now to make sure I'm a "keeper". This leaves very little time for anything else in my life right now other than get up - go to work - come home late - go to bed - rinse and repeat!

So, please don't email me asking for a progress report! If and when I get some time to work on the project (actually, this is just one of three NorCal projects that I'm supposed to be working on right now!) I will send a report to this list.

Thanks for your indulgence.

Cheers es 72,
Dave Fifield, AD6A

Date: Fri, 4 Apr 2003 07:03:19 -0800
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148545] I'm off to Arkansas!
Message-ID: <00d401c2fabbb\$545992e0\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey wait a minute ... I live there!

I've sometimes wondered what the heck my ancestors had in mind when they came to Arkansas and decided, "Let's settle here!" It's got ticks, chiggers, incredible heat and humidity, copperheads, killer mosquitoes, rocky terrain and poverty. Perfect!

But now I can see that they were on to something, although maybe 130 years early or so. Now we've got Arkiecon.

Looking forward to seeing many friends, some of whom are probably en route already.

Look for my report, embellished with the usual lies, in about 48 hours.

72--Nick, WA5BDU
"embedded" at Arkiecon

Date: Fri, 04 Apr 2003 09:33:40 -0500
From: Mike Czuhajewski <wa8mcq@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>,
GQRP List <GQRP@yahoogroups.com>
Cc: Mike Czuhajewski <wa8mcq@comcast.net>, Larry Baker <wb5ofd@wcc.net>
Subject: [148546] Replacement HW8 VFO tuning caps available
Message-ID: <003801c2fab7\$2fc209c0\$6401a8c0@gambrl01.md.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I'd long ago given up hope of finding an exact, drop-in replacement for the VFO tuning capacitor in the HW-8. Every now and then someone asks how to fix the plates on theirs, since they sometimes fall off the shaft. (The problem is caused by the amount of torque that the reduction drive can supply, as explained below, and continuing to turn the knob after the capacitor hits the end stops.) Although they can be put back in place it can be a pain and may not last forever, and it would be better to have a replacement capacitor.

Suddenly, like a bolt out of the blue, I got e-mail yesterday from Larry Baker, WB5OFD, telling me that he tracked down the company that made them--still in business--and found that they can still supply the capacitor. He said he's looking at a lot of overtime coming up at work so I offered to post the info for him. He really went beyond the call of duty in tracking down the company, and HW-8 owners will be grateful for years to come :-)

And you don't have to own an HW-8 to take advantage of this, since the capacitor can be used in any VFO that you might want to build.

Here's his info--

HW-8 VFO Tuning Capacitor

For anyone with an HW-8 collecting dust because of a broken VFO tuning capacitor you may take heart, an exact replacement is available.

I recently purchased an HW-8 in which the rotor plates had become detached from the tuning shaft. BIG PROBLEM. Or at least I thought so. This HW-8 was destined to become a spare parts donor. After removing the capacitor from the case I noticed the Heathkit part number 26-152 stamped into the frame, as well as the letters ASP*7703.

After a few days of attempting to remember (talking with some old timers) or discover (search the web) who or what ASP stood for, I got lucky.

ASP stands for American Steel Packaging or American Star Products depending on what they manufactured and when. As you can see from above, 26-152 ASP*7703 is a Heathkit part number and a manufacturer code.

ASP is now known as Oren Elliot Products. They are located in Edgerton, Ohio, and their plant facilities have been producing capacitors since 1925. They are the largest domestic manufacturer of air-dielectric variable capacitors. Their web site can be found at www.orenelliottproducts.com.

With thanks to Mr. Steven Elliot I was able to obtain the following information:

The VFO tuning capacitor in the HW-8 is a model NS-51, with direct drive, and two rotor and two stator blades with a 0.032" air gap. It has CCW rotation, mounting holes tapped for 6-32 threads, with a trimmer and copper stator blades. This capacitor has a range of 5.2 pF to 15.1 pF. The trimmer can add 2-15 pF to both the minimum and maximum.

This capacitor, as well as others, was manufactured for the Heathkit Company product line over many years.

Mr. Elliot was also able to shed some light on how this capacitor could be easily damaged. The vernier drive on the HW-8 is a reduction drive (planetary) with a probable output torque of about 100 inch ounces. The 26-152 can only stand about 20 inch ounces of pressure (at the end of the stop) before succumbing to damage. You would only have to exert an input torque force of about three inch ounces on the VFO knob, with the capacitor at the end of its rotation, before possible failure.

I purchased the last 26-152 that was still in stock. However, the good news is that Mr. Elliott can provide a newly manufactured replacement capacitor, identical to the original 26-152. Contact him at: Oren Elliott Products, telephone (419) 298-2306, fax (419) 298-3545, or e-mail: oeplibright.net. In case this gets passed on to someone without e-mail, their postal address is 128 W. Vine St., PO Box 638, Edgerton, OH 43517 USA.

Current pricing is:

1 capacitor: \$14.00
2 capacitors: \$11.50 ea.
5 capacitors: \$9.50 ea.

OEP also has a slightly different capacitor that may be suitable for use on the HW-8. It has the same capacitance value; however the shaft is 0.25 inches longer and it has a built-in 8:1 planetary reduction drive unit. This acts as sort of a viscous slip clutch, slipping when the capacitor reaches its minimum or maximum rotation. Use of this capacitor would help prevent damage as described above but will necessitate a number of changes to the original Heathkit design. A new mounting bracket would be required as well as ensuring the VFO dial markings track correctly since this shaft will rotate 8 times faster than the rotor. I will experiment with this very soon and determine if it is feasible.

If anyone needs an HW-8 VFO tuning capacitor, contact Mr. Elliot and request a direct drive, 26-152 replacement. Please be sure to thank him for supporting QRP ARCI and hams in general.

Larry Baker - WB50FD wb5ofd@wcc.net

Date: Fri, 4 Apr 2003 09:03:11 -0600
From: "Mark Andrews" <KE4IOF@KE4IOF.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [148547] In Praise of Dave Benson and Small Wonder Labs
Message-ID: <004001c2fabbb\$4feaa000\$146f640a@MarkAndrews>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I want to publicly thank Dave Benson for all of the hard work he does and for his contributions to Amateur Radio and particularly the avocation of QRP.

I have bought several kits from him and he has never once been rude, told me he was too busy (even when I'm sure he was) or ever brow-beat me for any

obviously stupid question. Once, he replaced a radio that was lost by UPS without question. Last summer I ordered a Warbler. The kit arrived and then two days later, a second package arrived with a 1 foot long piece of RG-174 that he had forgotten; I had never even missed it, but Dave had. This is perfect example of good customer service!

So, for all you aspiring kit designers out there, take a few lessons from Dave Benson. He works hard. He treats his customers as if they are valuable to him. He doesn't chastise a customer for making an inquiry about a product or asking a stupid question or for making a dumb mistake when assembling a kit. I, for one, am not likely to buy anything from a person that tells me to go away and leave them alone.

If he didn't respect his customers, he too would lose his job (that of being a premier kit designer) since none of us would likely buy from him. Dave's main value to Amateur Radio is not that he is a great kit designer (which he is), but that he is a good human being. Dave seems to understand that producing a good product is only one part of the equation.

Thanks Dave and may you and Small Wonder Labs have a long a fruitful existence.

Mark

Mark A. Andrews, KE4IOF

Date: Fri, 4 Apr 2003 09:12:04 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [148548] solar info
Message-ID: <Pine.LNX.4.33.0304040910270.19654-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Is there a URL that will send me the flu, K & A info on a daily basis to my e-mail address?.....I've found a couple of sites but they're really complicated; too much info...thanks...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Fri, 4 Apr 2003 09:22:23 -0600
From: "Mark Andrews" <KE4IOF@KE4IOF.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148549] Unbuilt NC-20 For Sale
Message-ID: <005801c2fabd\$febd3190\$146f640a@MarkAndrews>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have an un-built NC-20 for sale Still in the bags and shipping box as sent by Doug. The first \$100.00 takes it (postage paid in the U.S.)

I suddenly have no desire to ever build it.

Mark, KE4IOF

Mark A. Andrews

Date: Fri, 4 Apr 2003 07:56:57 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [148550] Re: [GLOWBUG] kinda long: need guidance for HB rig
Message-ID: <MABBJOEABOILMKCJCLFCGEFEEEEAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Paul

Regarding your question of running your QRP rig from the receiver power supply.

While I was in college, I ran 4w AM mobile on 75m with a little homebrew rig.

I had a Gonset mobile receiver, the one with the shiny chrome front. I ran the rig from the receiver's vibrator power supply with no trouble. It put out 200v

at 100m, which was plenty for the little rig.

You need to check the circuit feeding the voltage point you are interested in,
to be sure there isn't much resistance in it. Otherwise the voltage will pull
down when you key your little rig.

Good luck and 73,
Bob N6WG

Date: Fri, 04 Apr 2003 09:00:52 -0800
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [148551] Re: BBQ April 6th, 2003 [long]
Message-ID: <5.1.1.6.0.20030404085556.01967198@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I had already gotten the hate mail before the rash of postings, so please
don't beat on me. I thought a longer exchange would help but it is
obvious this group doesn't need my help..... :-)

> Birthday Bash for QRP-L (BBQ) Revision 2.00
>
>Date: April 6th, 2003 in celebration of the 10 year tenure of QRP-L.
>
>Time: 12noon 'til 10pm local time (10 hours) April 6th. (start of DST in
>most places)
>
>Bands: All non-WARC amateur radio bands
>
>Modes: All modes
>
>Exchange: Their_call ur_name state/prov./country ur_power ur_call
>
>Say I work WA8MCQ, and he is the first Q (contact) that I do:
>
>CQ BBQ DE K7Q0 K7Q0 K
>...
>
>WA8MCQ CHUCK T AZ 750mW K7Q0 E E
>
>then I do the following for the next Q,
>

>K1SWL CHUCK AZ 750mW K7Q0 HI DAVE E E
>
>etc.
>
>
>Power Classes: 0.0 to 1.0W Class A
> 1.01 to 2.0W Class B
> 2.01 to 5.0W Class C
>
>Certificates for top three scores in each class for all band, single band,
>and each mode
>and any others the judge feels appropriate. Please stick with the spirit
>of these classes
>and don't try to account for coax losses, etc. :-)
>
> 10-minute rule. If you are not rock bound, you must move after
> calling CQ and working stations
> for 10 minutes in one spot +/- a few
> KHz. You must move at least 2KHz and you
> may not return to claim the frequency
> within 30 mins.
>
>Duplicates: You may work a station only once for a contact during the event.
>
>
>
>Scoring: #Qs x 4 if you are class A
> #Qs x 3 if you are class B
> #Qs x 2 if you are class C
>
>Multiply by additional factor of 2 if single band and single rig and
>single mode.
>
>Logs: ASCII only and ONLY by request from K7Q0.
>Keep a dup sheet and scores include only non-dup stations.
>
>
>Post Event: Send score to k7qo@earthlink.net

>Include the following template filled out in the body with "BBQ de
>YOUR_CALL" in title (w/o the quotes):

>
>Name:
>Mailing Address:
>Call:
>Email Address:
>

>Start Time (UTC):
>Ending Time (UTC):
>Number of Hours of Operation:
>Your Exchange Sent:
>Number of Contacts:
>Bands used:
>Modes used:
>Power in Watts:
>Class:
>Your Score:
>Comments/Soapbox: (comments about stations signals, band conditions, rig
>working, ... best dx, ... WAS. DXCC)
>
>
>FYI
>
>
>Chuck Adams, K7QO
><http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>
>
>Moving to Arizona? ---- Please bring your own water.

Chuck Adams, K7QO
<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Fri, 4 Apr 2003 09:14:18 -0800
From: "Lee Hopper" <leehopp@msn.com>
To: "Posting to the list QRP-L" <qrp-l@Lehigh.EDU>
Cc: <rattray@gpfn.sk.ca>
Subject: [148552] Re: solar info
Message-ID: <BAY4-DAV1435ZmrylLG00015ab5@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce -

<http://dx.qsl.net/propagation/>

I don't know about emailing it to you, but I like this site for a simple picture of what's going on. The things you ask for are on the first screen. If you scroll to the bottom, there's a nice greyline map which I find pretty

useful.

73 -

Lee Hopper, NB7F
Portland, OR

Date: Fri, 4 Apr 2003 12:26:48 -0500
From: "Bill Phillips" <bill1048@direcway.com>
To: <qrp-1@lehigh.edu>
Subject: [148553] FDIM Club/Vendor Night - second call for table reservations
Message-ID: <00b401c2facf\$72a363c0\$0143030a@D9QT1K21>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FDIM Club/Vendor Night

Clubs and vendors are invited to set up tables in the main ballroom of the Ramada Inn on Friday night May 16 (and on other nights optionally). This is a mini-hamfest in itself. Clubs are encouraged to set up a table to promote their club, sell their "toys", and especially to carry on the tradition set by the Cheezeheads of Wisconsin -providing munchies/hors d'oeuvres/etc. If your organization hasn't done this before, it's a great way to reach both hardcore QRPers and Hamfest attendees who come by specifically to look at the exhibits.

Anyone desiring a table for this event, which should run from 8:30 to 11 PM Friday, should advise Vendor Night Chairman Bill Phillips AD6JV (bill1048@direcway.com) ASAP, to make sure you have the facilities you want. If you are a vendor or a club and wish to set up at a table on other nights, that's fine too. Just find a table and pitch your tent.

72,

Bill Phillips AD6JV

Date: Fri, 04 Apr 2003 12:27:20 -0500
From: Pete Burbank <plburbank@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [148554] Re: solar info
Message-ID: <5.2.0.9.0.20030404122113.00a49dc0@Earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Bruce,

I don't think you will get the flu from this but do a google search on DXLC. It is my favorite.

73

Pete NV4V

At 10:12 AM 4/4/2003, Bruce Rattray wrote:

>Is there a URL that will send me the flu, K & A info on a daily basis to
>my e-mail address?.....I've found a couple of sites but they're really
>complicated; too much info...thanks...

>

>..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272

> A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -

> - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -

> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Fri, 04 Apr 2003 13:13:36 -0500 (Eastern Standard Time)

From: W2AGN <w2agn@w2agn.net>

To: k7qo@earthlink.net, qrp-l@Lehigh.EDU

Subject: [148555] Re: BBQ April 6th, 2003 [long]

Message-ID: <3E8DCB50.000001.86353@w2agn>

MIME-version: 1.0

Content-type: Text/Plain

Content-transfer-encoding: 7BIT

C'mon Chuck, your legs are long enough that several people can pull them at the same time!

John W2AGN

-----Original Message-----

From: k7qo@earthlink.net

Date: Friday, April 04, 2003 12:20:21 PM

To: Low Power Amateur Radio Discussion

Subject: Re: BBQ April 6th, 2003 [long]

I had already gotten the hate mail before the rash of postings, so please don't beat on me. I thought a longer exchange would help but it is

obvious this group doesn't need my help..... :-)

Date: Fri, 04 Apr 2003 13:12:25 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [148556] Re: NorCal NC-30 News
Message-ID: <000301c2fad5\$bf12e5e0\$6401a8c0@JOHN>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Dave,

I can certainly sympathize with you being deluged with so many emails but you have to expect as much when Doug Hendricks makes adjective-laden posts to the list that the "NC30 beats the Elecraft K2 in every way", etc. Such over-promising of any product is guaranteed to have a Viagra-like effect on QRPers far and wide. In the meantime, Norcal's web site (which **should** be the outlet for NC30 status info) lacks any reference to the NC30's progress whatsoever.

I'm saving my cash for a DSW II.

73 & DX,

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Fri, 4 Apr 2003 12:59:29 -0600
From: "Mark Andrews" <KE4IOF@KE4IOF.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [148557] Re: Unbuilt NC-20 For Sale
Message-ID: <00f801c2fad5\$526c17c0\$146f640a@MarkAndrews>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The kit has been spoken for.

Mark, KE4IOF

Mark A. Andrews

"You can't reason a person out of a position that the person wasn't reasoned into in the first place"

Date: Fri, 04 Apr 2003 15:08:38 -0500
From: Harry Hurst <wa3ptg@comcast.net>
To: ae5x@qsl.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [148558] Re: NorCal NC-30 News
Message-ID: <002801c2fae5\$fb0f3d90\$2600a8c0@GALAXY>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

John

>over-promising of any product is guaranteed to have a Viagra-like effect

I almost fell off my chair when I read this!!!! Good one!!

Every new rig causes a Viagra-like effect on QRPers. That's just the way we are.

72

Hap, WA3PTG
Wilmington DE

----- Original Message -----

From: "John Harper AE5X" <ae5x@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, April 04, 2003 13:12
Subject: Re: NorCal NC-30 News

> Dave,

>

> I can certainly sympathize with you being deluged with so many emails but
> you have to expect as much when Doug Hendricks makes adjective-laden posts
> to the list that the "NC30 beats the Elecraft K2 in every way", etc. Such
> over-promising of any product is guaranteed to have a Viagra-like effect
on

> QRPers far and wide. In the meantime, Norcal's web site (which **should** be

> the outlet for NC30 status info) lacks any reference to the NC30's
progress
> whatsoever.
>
> I'm saving my cash for a DSW II.
>
> 73 & DX,
>
> John Harper AE5X
> Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>
>
>

Date: Fri, 4 Apr 2003 12:10:13 -0800 (PST)
From: Lloyd Lachow <llachow@yahoo.com>
To: a low-energy group <qrp-l@lehigh.edu>,
Multipig <multipigplus@yahooogroups.com>
Subject: [148559] which power supply is the right one for me?
Message-ID: <20030404201013.60525.qmail@web41012.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I need a power supply, but which one? Specs:
minimum money for a reliable, quiet bench supply for
my multiPIG+ and other QRP rigs, for, I guess, about
9-15V, not too many amps...? What am I looking for,
and where should I look?

TIA,

Lloyd/K3ESE

=====

73, 72 es oo, Lloyd, K3ESE

K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr

ARRL - ARS #1301 - FISTS #8774 - WATPK #8

FPqrp #476 - BORG #2 - QRParci #11147

QRP-L #2415 - SOC #530

Fun = Skill / Power

"You can't spell Lloyd without lol!"

Do you Yahoo!?

Yahoo! Tax Center - File online, calculators, forms, and more
<http://tax.yahoo.com>

Date: Fri, 04 Apr 2003 15:20:10 -0500
From: Radioham <radioham@comcast.net>
To: NoVaQRP@topica.com, QRP-L <qrp-l@Lehigh.EDU>
Subject: [148560] FS: St. Louis Tuner
Message-ID: <5.1.0.14.0.20030404151513.00b85de0@mail.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

I have a St Louis Tuner for sale in excellent condition - works very well, has built in QRP dummy load. Stay below 10 watts with this one. Info on this is somewhere on the web, but I can't find it. Tunes 80 - 10 meters with balanced line or random wire.

\$85 shipped in USA.

72/73,

Steve, N4EUK
Reston, VA

Date: Fri, 4 Apr 2003 20:29:24 +0100
From: "Juan Ferrari" <puntrad@usa.net>
To: "Lloyd Lachow" <llachow@yahoo.com>,
"a low-energy group" <qrp-l@lehigh.edu>,
Subject: [148561] Re: [fpqrp] which power supply is the right one for me?
Message-ID: <007101c2fae0\$816392c0\$6ac2b7c7@puntana.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Lloyd.

Are you looking for a variable power supply, or just one 13.8 VDC for powering the rigs?

If the last is what you are looking for I would recomend a Astron RS 12 or 20. I was advised this at QRP-L some time ago and got one Astron from e-bay and I'm more than happy with it. Not been a switching PS is very quiet and very well regulated. You may want to check out <http://www.astroncorp.com> for the Linear PS they have.

72 es oo's
Juan - KG4FSN

----- Original Message -----

From: Lloyd Lachow <llachow@yahoo.com>

To: a low-energy group <qrp-l@lehigh.edu>; Multipig
<multipigplus@yahoogroups.com>

Sent: Friday, April 04, 2003 9:10 PM

Subject: [fpqrp] which power supply is the right one for me?

> I need a power supply, but which one? Specs:
> minimum money for a reliable, quiet bench supply for
> my multiPIG+ and other QRP rigs, for, I guess, about
> 9-15V, not too many amps...? What am I looking for,
> and where should I look?
>
> TIA,
>
> Lloyd/K3ESE
>
> =====
> 73, 72 es oo, Lloyd, K3ESE
> K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr
> ARRL - ARS #1301 - FISTS #8774 - WATPK #8
> FPqrp #476 - BORG #2 - QRParci #11147
> QRP-L #2415 - SOC #530
> Fun = Skill / Power
> "You can't spell Lloyd without lol!"
>
> -----
> Do you Yahoo!?
> Yahoo! Tax Center - File online, calculators, forms, and more
> <http://tax.yahoo.com>
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-l -

Date: Fri, 4 Apr 2003 14:34:16 -0600

From: "Tim, N9PUZ" <n9puz@arrl.net>

To: <llachow@yahoo.com>, a low-energy group <qrp-l@lehigh.edu>

Subject: [148562] Re: [fpqrp] which power supply is the right one for me?

Message-ID: <200304042127.PAA17662@zinc.eosinc.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: quoted-printable

On Fri, 04 Apr 2003 12:10:13 -0800 (PST), Lloyd Lachow wrote:

>I need a power supply, but which one? Specs: minimum money for=

a
>reliable, quiet bench supply for my multiPIG+ and other QRP=
rigs,
>for, I guess, about 9-15V, not too many amps...? What am I=
looking
>for, and where should I look?

I've always had great success with power supplies from Astron.=
They aren't
always the very cheapest price. I have a 15 Amp linear supply=
that's about 17
years old and it still works well and is rarely turned off. Last=
year I
bought a 25 Amp switcher that I've been very pleased with too.=
They have a
wide variety of sizes from 3 Amps up to nearly 60 Amps.

<http://www.astroncorp.com/> has the details and specs. I believe=
most of the
Ham Radio type suppliers carry them. Probably other good brands=
around too
but I've never had a reason to try one.

Tim, N9PUZ

Date: Fri, 4 Apr 2003 16:50:35 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: <qrp-l@lehigh.edu>, <fpqrp-l@mpna.com>
Cc: "QST" <QST@arrl.org>
Subject: [148563] QRP Field Day Photos needed by QST...
Message-ID: <721D3436A7C2B344A301FD4A413C71A9ADF65E@kosh.ARRLHQ.ORG>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Due to circumstances I am not allowed to discuss, even though I had =
promised revenge four times over for a slight about me and my beloved =
vehicle that was once published in QST, the Editor tells me that he =
needs some photos of QRP Field Day activities.

Joel Kleinman needs:

"High-resolution" pictures
Name of group, call sign used, peolle ID'd if possible
Photo credit (who took the picture?)
Short description

Send the photos as attached files to qst@arrl.org.

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

Date: Fri, 04 Apr 2003 21:54:54 +0000
From: Larry Cahoon <lejek@erols.com>
To: leehopp@msn.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
Subject: [148564] Re: solar info
Message-ID: <5.1.0.14.0.20030404215245.02bdec90@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

This is the one I use - all your numbers are at the top of the page. If you want to sunspot number you have to page down. I also use

<http://www.nwra-az.com/spawx/ssne24.html>

to get something called the "effective sunspot number.

Sure would be nice though if someone would e-mail all those numbers every day.

73 de Larry.....WD3P
<http://www.wd3p.net/>

At 09:14 AM 4/4/2003 -0800, Lee Hopper wrote:

>Bruce -

>

><http://dx.qsl.net/propagation/>

>

>I don't know about emailing it to you, but I like this site for a simple
>picture of what's going on. The things you ask for are on the first screen.

>If you scroll to the bottom, there's a nice greyline map which I find pretty
>useful.

>

>73 -

>

>Lee Hopper, NB7F

>Portland, OR

Date: Fri, 4 Apr 2003 17:29:55 -0500
From: "AI2Q" <ai2q@adelphia.net>
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [148565] QRP rig pix updates
Message-ID: <000201c2faf9\$b82c31e0\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi QRP-L listers:

I've updated my page to show photos of the 20-M ssb/cw rig built here last
year, as well as all the schematics and photos to date of the 75-M rig
presently under construction.

<http://users.adelphia.net/~alexmm/ai2q.htm>

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687 .-.-.

Date: Fri, 04 Apr 2003 17:38:03 -0500
From: Al Scanandoah <k2zn@rochester.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [148566] Re: solar info
Message-ID: <3E8E094B.35BD70E6@rochester.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here's the link to where one can get just the FAKs in his/her inbox:

<http://www.sec.noaa.gov/ListServer.html>

Subscribe to the www-list server.

Al, K2ZN

Bruce Rattray wrote:

>
> Is there a URL that will send me the flu, K & A info on a daily basis to
> my e-mail address?.....I've found a couple of sites but they're really
> complicated; too much info...thanks...
>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
> - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

End of QRP-L Digest 2880

